Service Manual

EZPOS30-8B-C1G

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1.

Before You Start

1. Please unplug the power cable before you start to work.

2. Please read and follow the instructions in this document carefully. Failure to follow these instructions could damage your device and void the warranty.

1.1. Tools Suggested

All procedures in this document require the following tools:

#0 Phillips screwdriver (magnetized suggested)

#1 Phillips screwdriver (magnetized suggested)

1.5 mm hexagon socket spanner (magnetized suggested)

O-Ring Tool

needlenose pliers

2.

Remove the Device from the LCD Stand

1. Adjust the LCD to the proper angle as shown below.

2. Unplug the phone jack cable from the LCD assembly.

3. Unplug the phone LVDS cable from the LCD assembly.

4. Unplug another end of the phone jack cable from the main device.

5. Unplug another end of the LVDS cable from the main device.

6. Remove the four screws fixing the right hinge in blue circles ant-clockwise by #0 Phillips screwdriver as shown below.

7. Remove the four screws fixing the left hinge in blue circles ant-clockwise by #0 Phillips screwdriver as shown below.

8. Draw the main device out of the LCD stand in the direction as shown below.

Opening the Device

2.1. Remove the Front Cover

1. Loosen and remove the six screws fixing the front cover by #1 Phillips screwdriver.

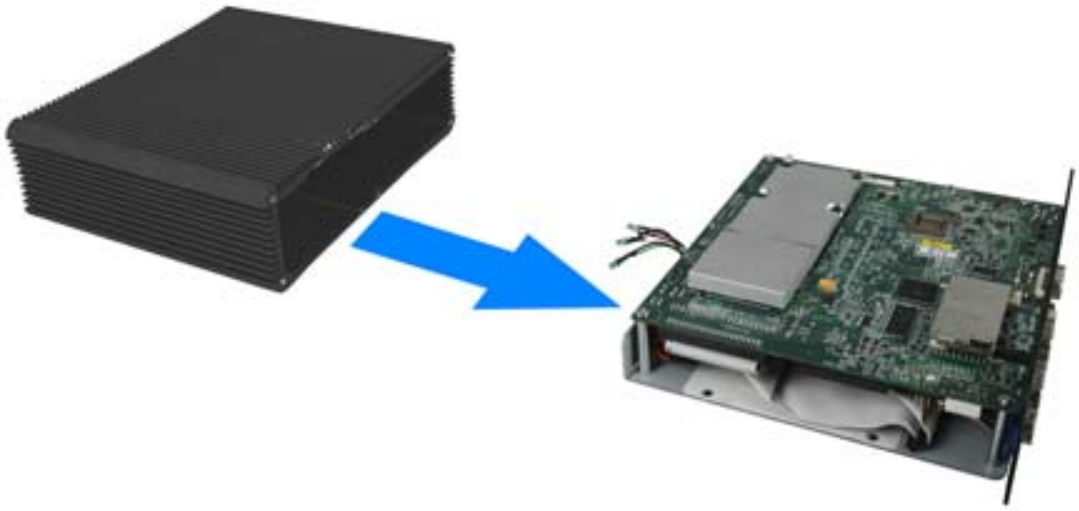
2. Remove the front cover from the device by pulling back easily. Beware that the LED indicator is connected to the front cover.

3. Unplug the three green LED indicator from the front cover.

2.2. HDD Installation

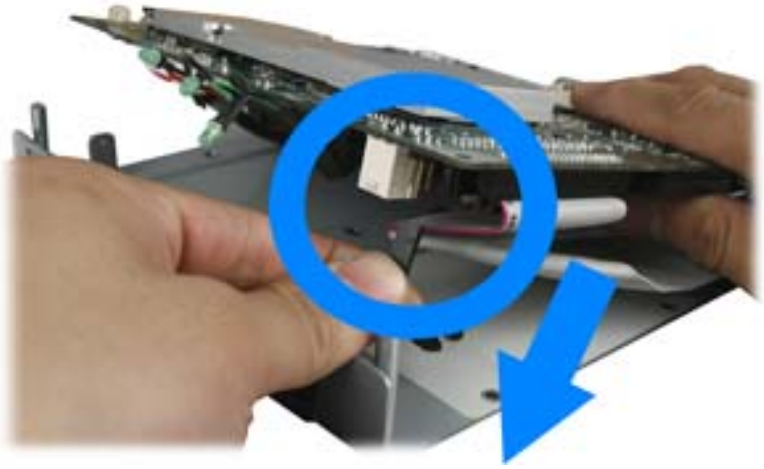
1. Loosen and remove the six screws fixing the back cover by #1 Phillips screwdriver.

2. Draw out the assembly from the case.

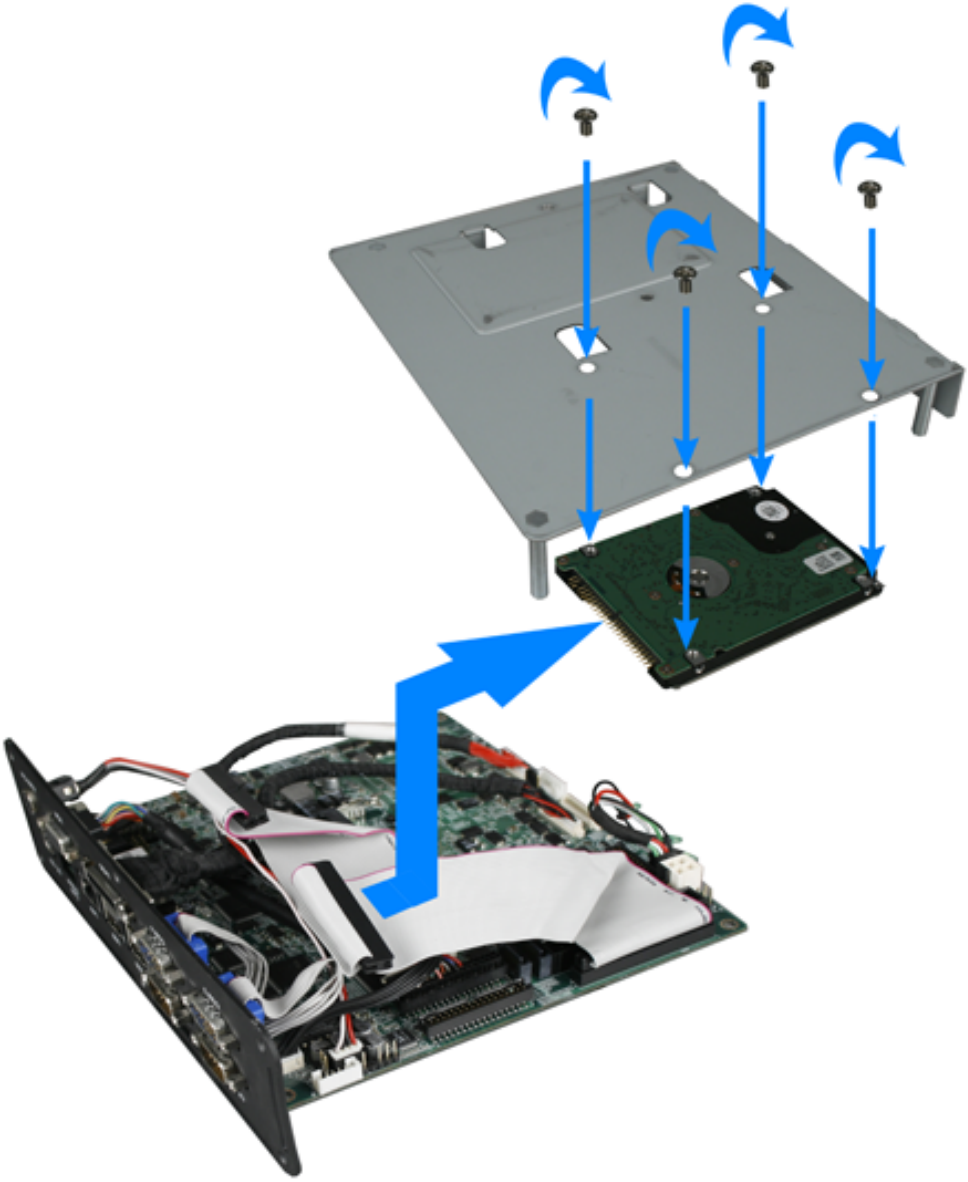


3. Loosen and remove the four screws fixing the main board by #1 Phillips screwdriver.

4. Unplug the power switch cable from the mainboard. The main board is separated from the main board bracket.



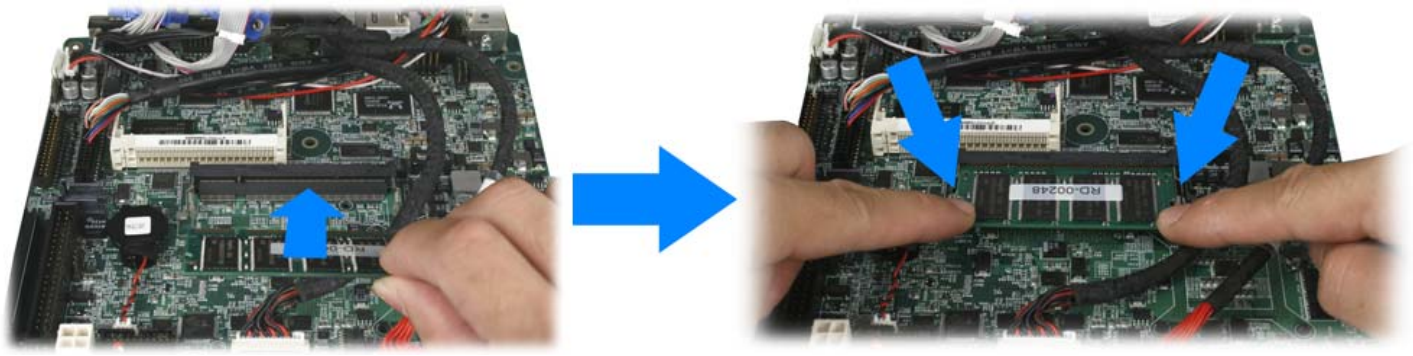
5. Connect the IDE cable to the HDD and tighten the four screws to fix the HDD to the main board bracket by #1 Phillips screwdriver as shown below.



2.3. RAM Installation

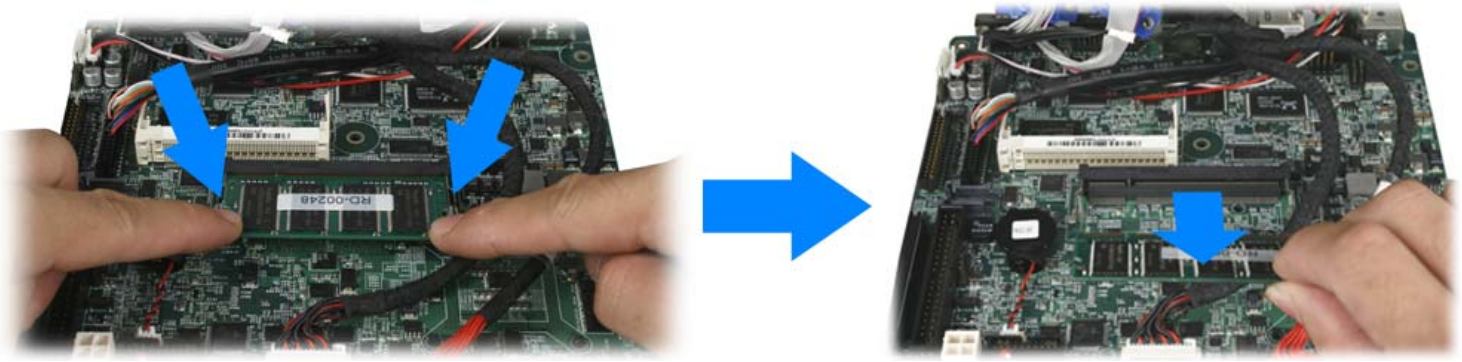
How to Install the RAM

Align and insert the new RAM in the slot and push both ends of the RAM down until the ejectors snap into place.



How to Uninstall the RAM

Open the tow ejectors on the slot by pushing them, and remove the RAM from the slot.



3.

Mainboard and Component Replacement

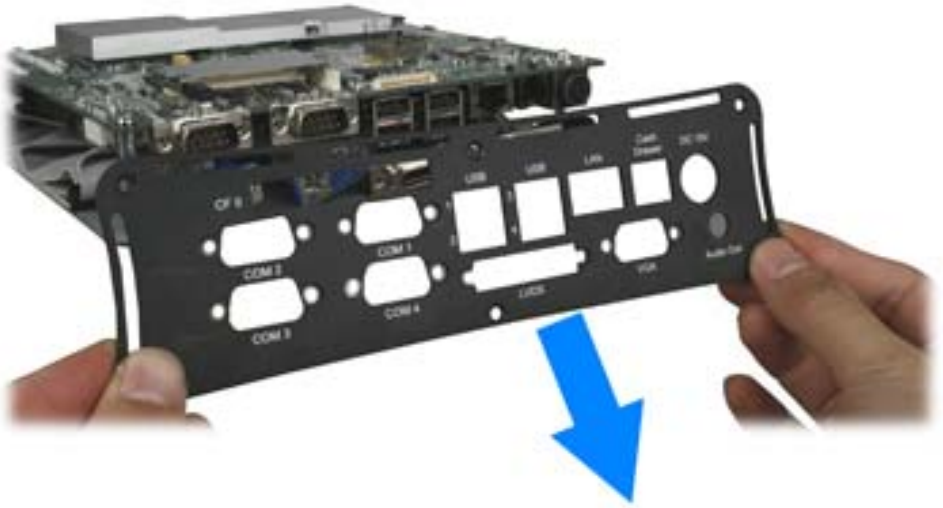
3.1. How to dissemble the mainboard from the device

1. Loosen and remove the metal O-ring fixing the phone jack by O-ring tool.

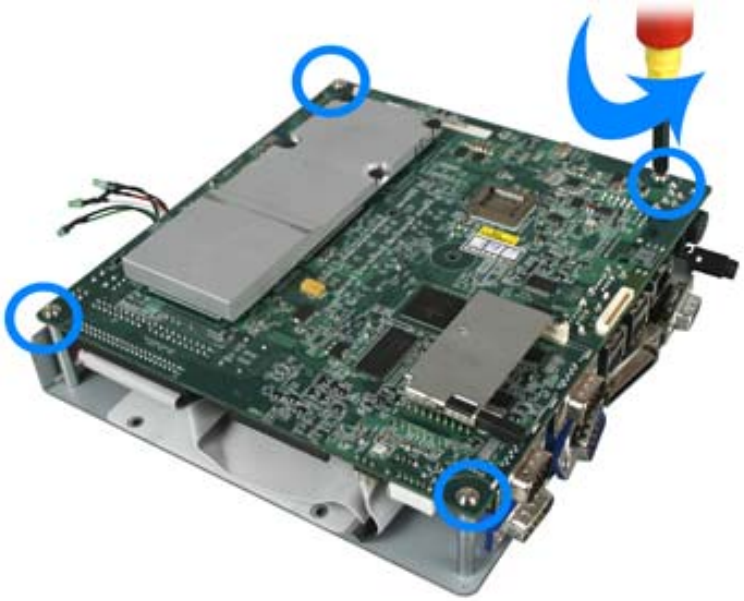
2. Loosen and remove the ten hexagonal bolts fixing COM ports and the VGA port by hexagon socket spanner.

3. Loosen and remove the two screws fixing LVDS connector in the blue circle by #0 Phillips screwdriver.

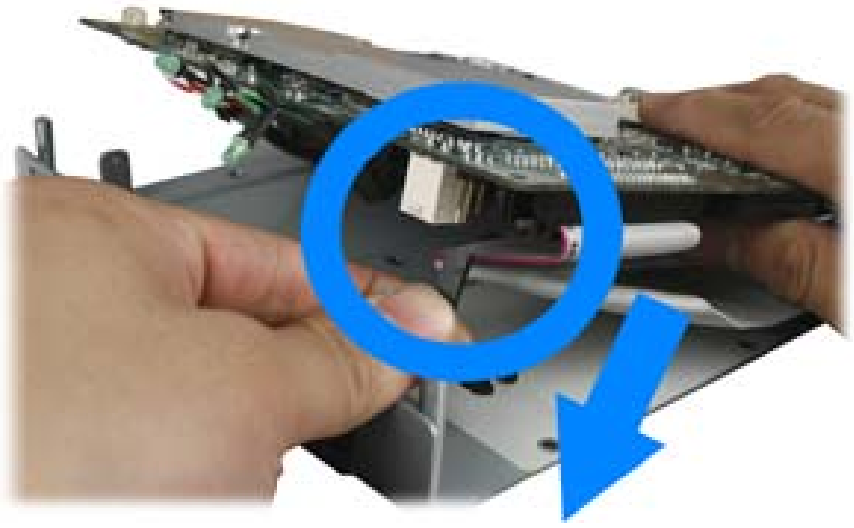
4. Remove the front cover from the device by pulling back easily.



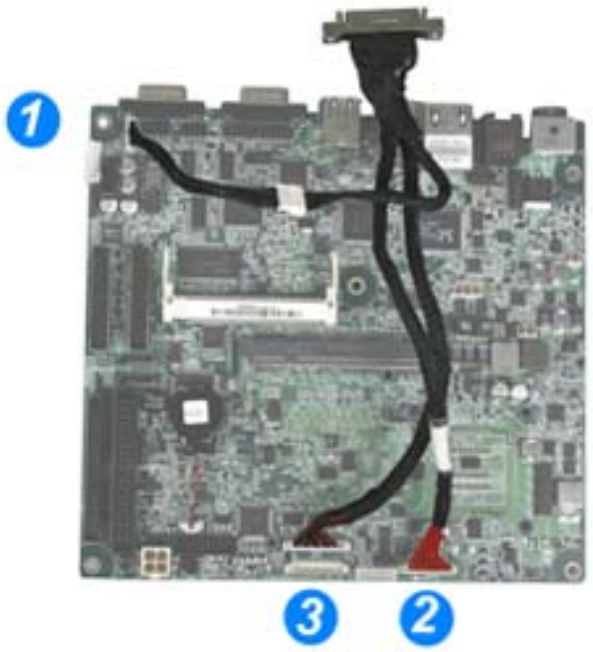
5. Loosen and remove the four screws fixing the main board by #1 Phillips screwdriver.



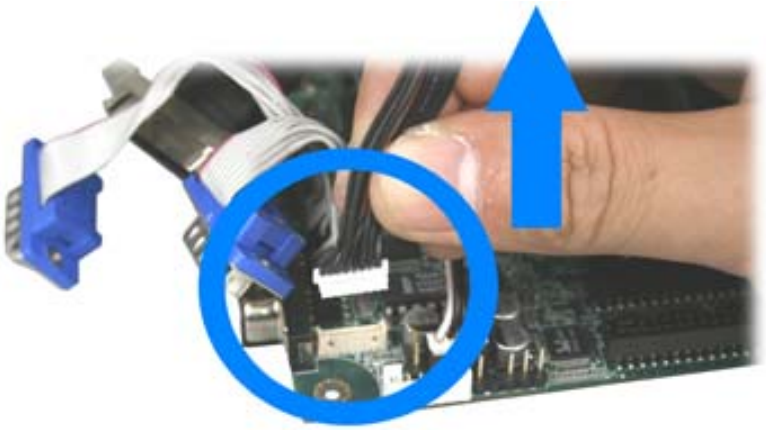
6. Unplug the power switch cable from the mainboard. The main board is separated from the main board bracket.



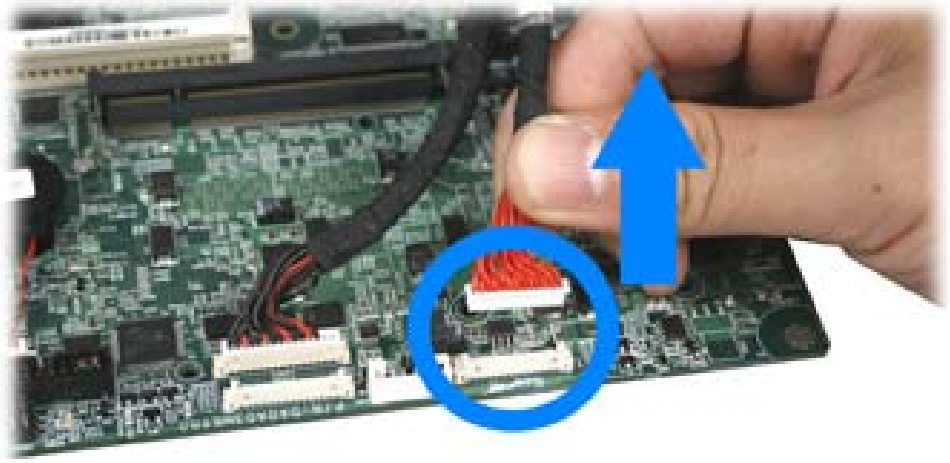
3.2. Unplug SCSI Cable



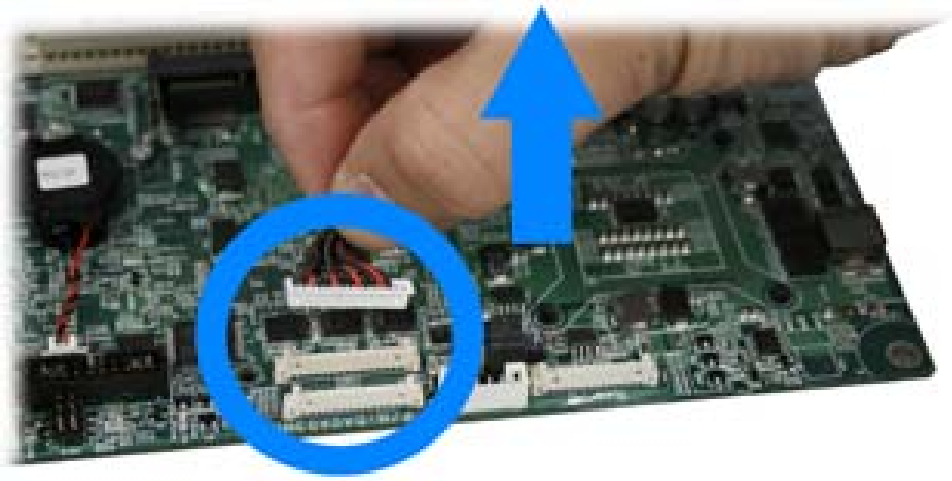
1. Unplug 8-pin female connector of SCSI cable from the male connector on the mainboard.



2. Unplug 13-pin female connector of SCSI cable from the male connector on the mainboard next to the HDD power connector.

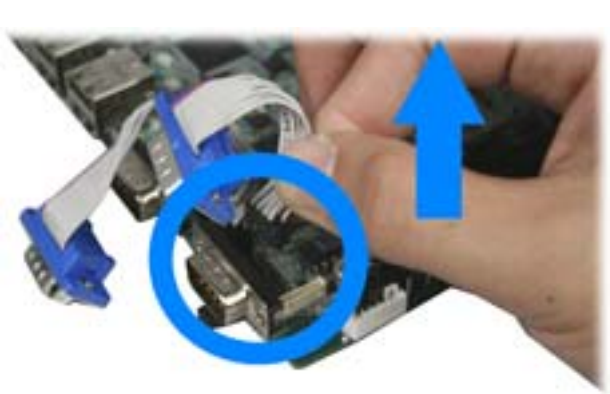


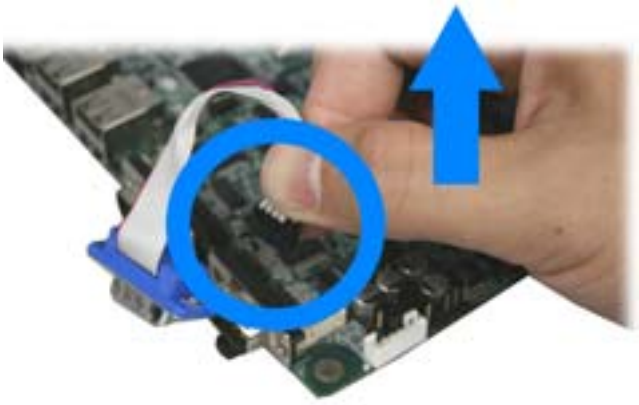
3. Unplug 15-pin female connector of SCSI cable from the male connector on the mainboard next to the IDE socket.



3.3. Unplug COM Port Cable

1. Unplug two COM port cables from the male connector on the mainboard behind the purple parallel port.

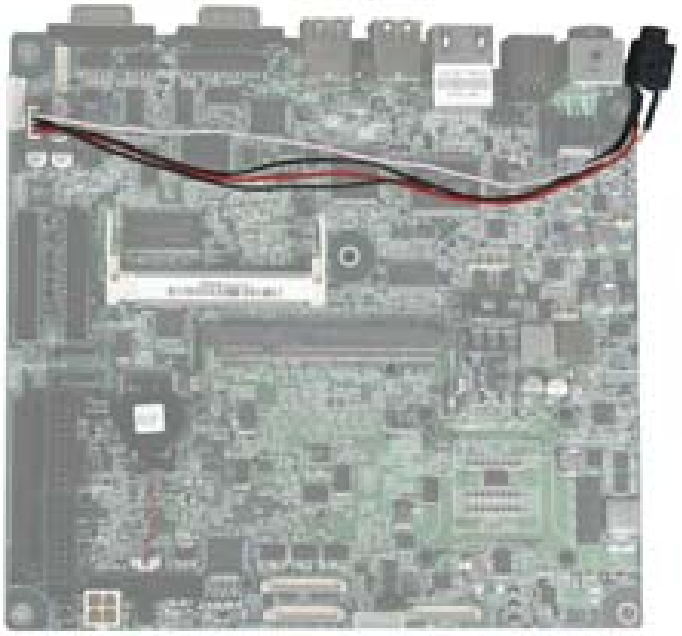




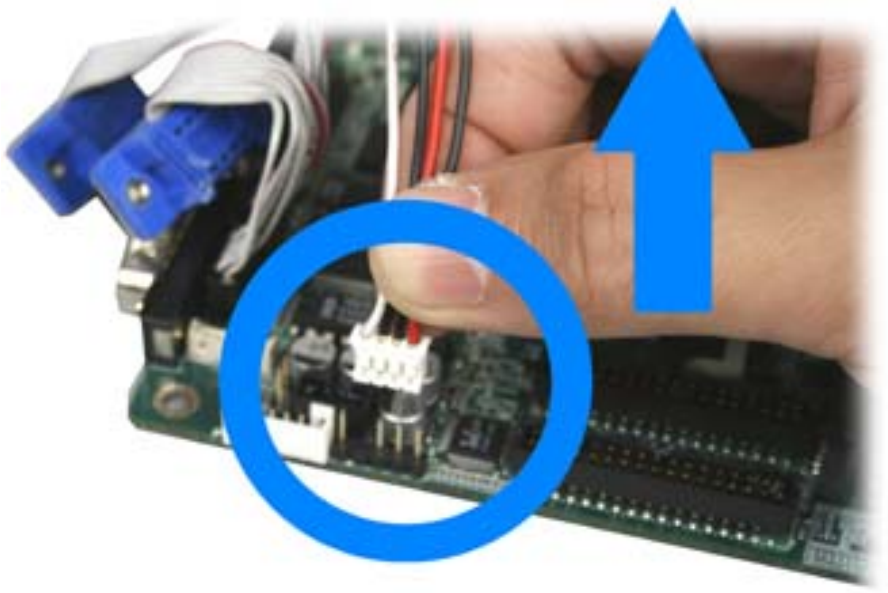
3.4. Unplug VGA Port Cable

1. Unplug and remove the VGA port cable as shown below.

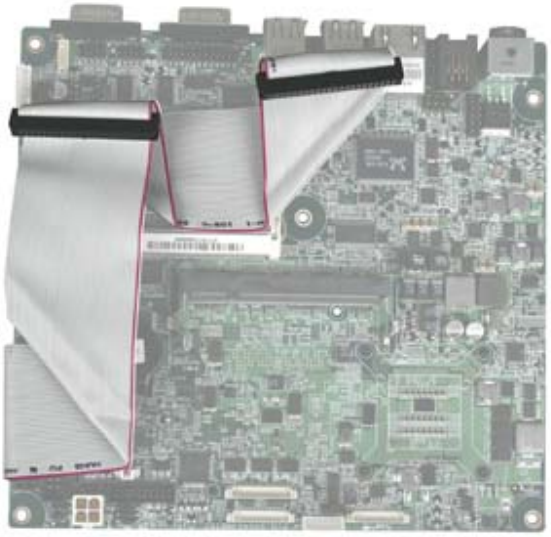
3.5. Unplug Phone Jack Cable



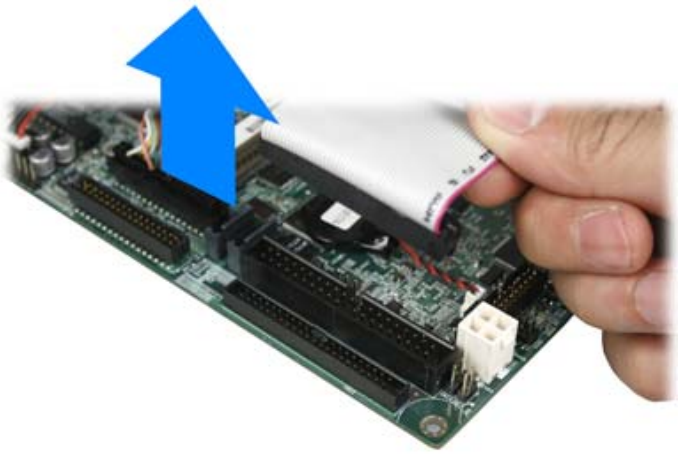
1. Unplug and remove the phone jack cable as shown below.



3.6. Unplug IDE Cable

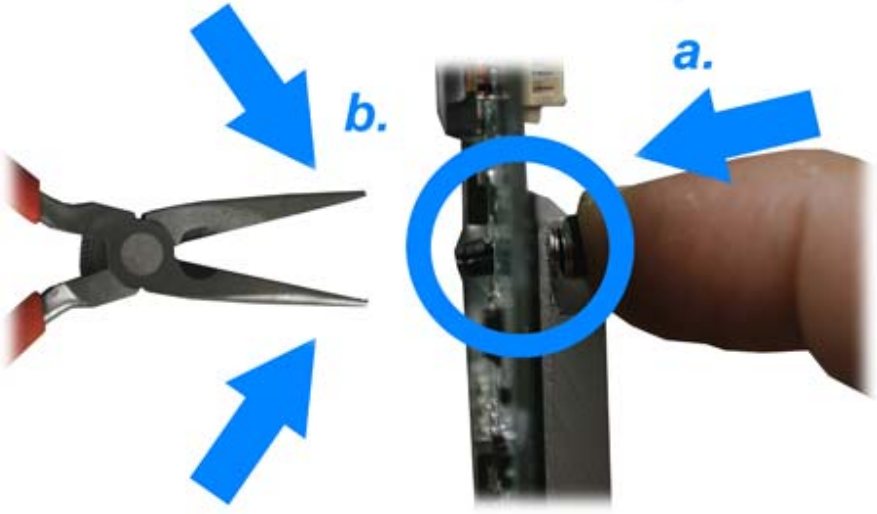


1. Unplug and remove the IDE cable as shown below.



3.7. Heat Sink Dissemble

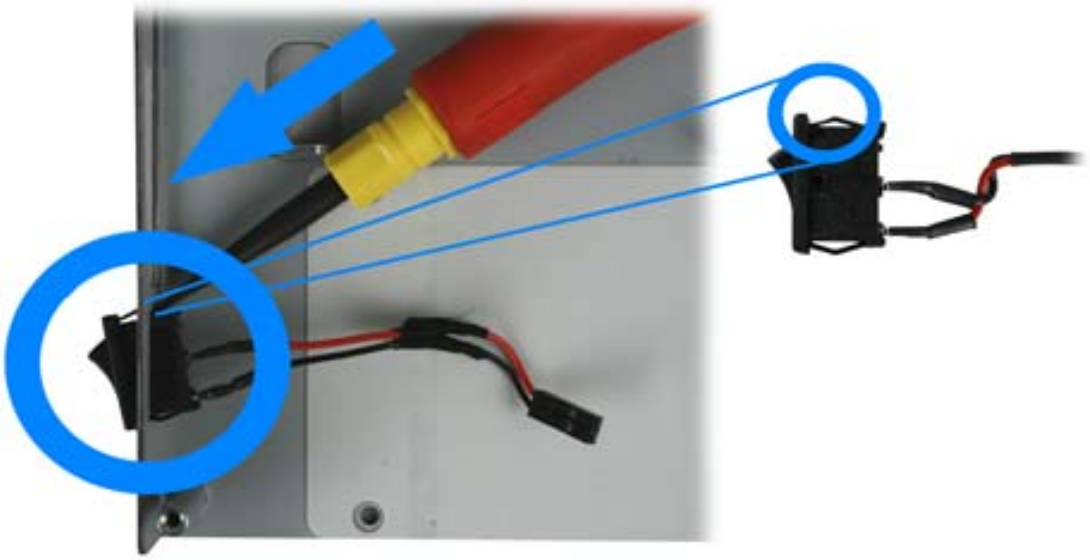
1. Follow steps below to release the four push-pin clips of CPU heat sink:
   a. Press and Hold the push-pin clip.
   b. Use the needlnose pliers to clip the head of the push-pin clip softly.
   c. Release the push-pin clip.



2. Remove the CPU heat sink from the mainboard.

3.8. Power Switch Dissemble

1. Push out and remove the power switch by slot type screwdriver in the direction as shown below.



4.

LCD Panel Assembly

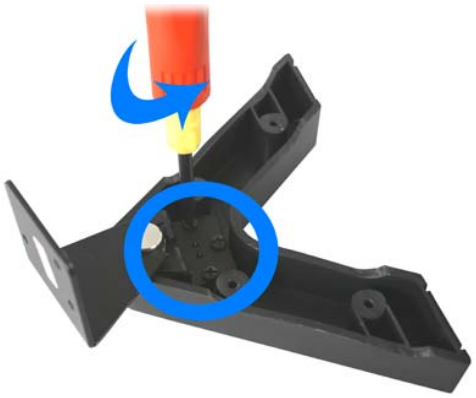
4.1. LCD Stand Removal

1. Loosen and remove the three screws in the blue circle as shown below by #1 Phillips screwdriver, and then remove the left LCD stand.

2. Loosen and remove the three screws in the blue circle as shown below by #1 Phillips screwdriver, and then remove the right LCD stand.

4.2. Hinge Removal

Loosen and remove the three screws in the blue circle as shown below and remove the hinge from the LCD stand.

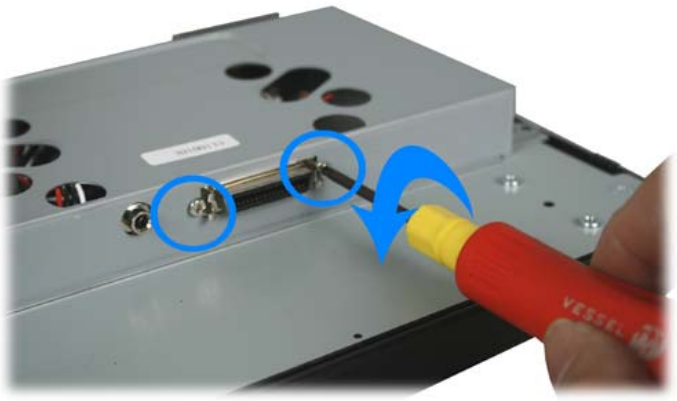


4.3. LCD Assembly Dissemble

1. Remove the rear panel from the LCD assembly.

2. Loosen and remove the four screws in blue circles as shown below by #1 Phillips screwdriver.

3. Loosen and remove the two screws fixing the SCSI connector in blue circles as shown below by #1 Phillips screwdriver.

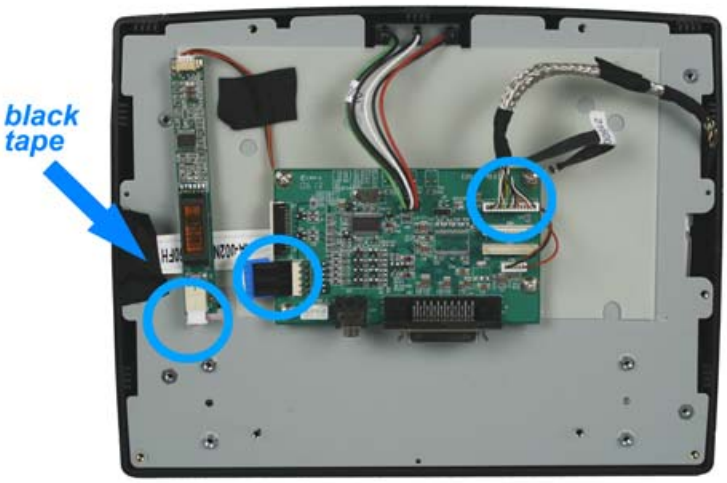


4. Remove the metal panel from the LCD assembly as show below.

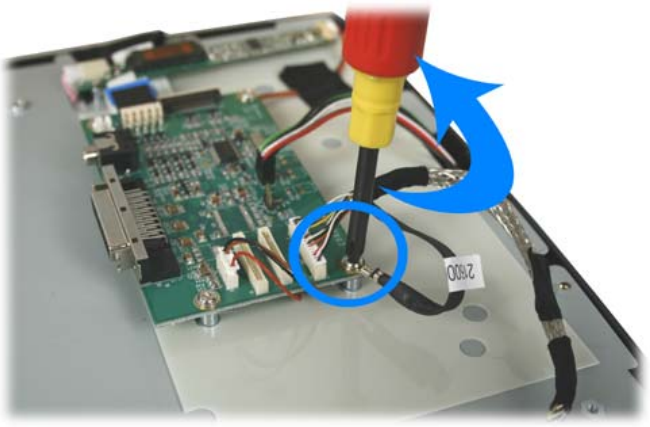
5. Unplug the speaker cable as shown below

6. Loosen and remove the three connectors in blue circle and the black

tape as shone below.



7. Loosen and remove the screw in blue circle as shone below by #1 Phillips screwdriver.



8. Remove the LCD inverter assembly as shown below.

9. Remove the LCD panel as shown below.

Install the new LCD and re-assemble the LCD assembly in the reverse procedure from **Step 15** to **Step 1**.